

§ 109.565

(b) For surface type units, the maneuvering information in Subpart 97.19 of this chapter must be displayed.

(c) The maneuvering information requirements for column stabilized, self-elevating, and other units of unusual design will be specified on a case by case basis.

§ 109.565 Charts and nautical publications.

The master or person in charge of a self-propelled unit shall ensure that the unit has the following adequate, up to date, and appropriate items for the intended voyage:

- (a) Charts.
- (b) Sailing directions.
- (c) Coast pilots.
- (d) Light lists.
- (e) Notices to mariners.
- (f) Tide Tables.
- (g) Current Tables.
- (h) All other nautical publications necessary.¹

§ 109.573 Riveting, welding, and burning operations.

Except as allowed by this section—

(a) The master or person in charge shall ensure that there is no riveting, welding, or burning—

- (1) In a fuel tank;
- (2) On the boundary of a fuel tank;
- (3) On pipelines, heating coils, pumps, fittings, or other appurtenances connected to fuel tanks; or
- (4) On the boundary of spaces adjacent to tanks carrying Grades A, B, or C flammable liquids in bulk.

(b) The operations prohibited in paragraph (a) of this section may be allowed if—

- (1) An inspection conducted in accordance with the “Standard for the Control of Gas Hazards on Vessels to be Repaired,” N.F.P.A. No. 306-1974, is made—

(i) In ports or navigable waters of the United States, its territories and possessions, by—

(A) A marine chemist certified by the National Fire Protection Association; or

(B) If a certified marine chemist is not available, a person designated by

46 CFR Ch. I (10-1-02 Edition)

the Officer in Charge, Marine Inspection; or

(ii) In all other locations by—

(A) A marine chemist certified by the National Fire Protection Association;

(B) If a certified marine chemist is not available, a person designated by the Officer in Charge, Marine Inspection; or

(C) If the persons required in paragraphs (b)(1)(ii) (A) and (B) of this section are not available, the master or person in charge; or a welding supervisor designated, in writing, by the master or person in charge; and

(2) A certificate is issued by the person conducting the inspection stating—

(i) That he conducted the inspection in accordance with the standard in paragraph (b)(1) of this section;

(ii) The operations that may be conducted; and

(iii) A list of precautions to be followed during the operations;

(c) The master or person in charge shall ensure that the precautions in paragraph (b)(2)(iii) of this section are followed.

§ 109.575 Accumulation of liquids on helicopter decks.

The master or person in charge shall ensure that no liquids are allowed to accumulate on the helicopter decks.

§ 109.577 Helicopter fueling.

(a) The master or person in charge shall designate persons to conduct helicopter fueling operations.

(b) Portable tanks are handled and stowed in accordance with subparts 98.30 and 98.33 of this chapter and the provisions of 49 CFR parts 171 through 179 that apply to portable tanks; and

[CGD 73-251, 43 FR 56828, Dec. 4, 1978, as amended by CGD 84-043, 55 FR 37413, Sept. 11, 1990]

§ 109.585 Use of auto pilot.

Except as provided in 33 CFR 164.15, when the automatic pilot is used in areas of high traffic density, conditions of restricted visibility, and all other hazardous navigational situations, the master or person in charge shall ensure that—

(a) It is possible to immediately establish manual control of the unit's steering;

¹NOTE: For U.S. units in or on the navigable waters of the United States. See 33 CFR 164.33.

(b) A competent person is ready at all times to take over steering control; and

(c) The changeover from automatic to manual steering and vice versa is made by, or under the supervision of, the officer of the watch.

APPENDIX A TO PART 109—NAVIGATION AND VESSEL INSPECTION CIRCULAR NO. 4-78—INSPECTION AND CERTIFICATION OF EXISTING MOBILE OFFSHORE DRILLING UNITS

1. *Purpose.* To promulgate instructions for the inspection and certification of existing mobile offshore drilling units. This NVIC is also being published as appendix A of 46 CFR Subchapter IA.

2. *Background.* Mobile Offshore Drilling Units are recognized internationally through the Intergovernmental Maritime Consultative Organization as being a "special purpose ship" designed and operated to carry out an industrial function at sea. Contemporary U.S. Vessel regulations in Title 46 CFR do not adequately cover the safety considerations which are unique to the hull and structural designs, industrial equipment and operating procedures incorporated in drilling vessels. To provide appropriate and adequate standards, the Coast Guard with the assistance of the National Offshore Operations Advisory Committee, and following the provisions of the Administrative Procedures Act, developed Subchapter IA, Regulations for Mobile Offshore Drilling Units, 46 CFR Parts 107-109 and amendments to 46 CFR Subchapters "F", Marine Engineering Regulations, and "J", Electrical Engineering Regulations. These regulations, published in FEDERAL REGISTER (43 FR 56788 December 4, 1978) will apply to all units contracted for on or after the effective date of the regulations.

3. *Discussion.* a. This NVIC elaborates the "grandfather provisions" of 46 CFR 107.211 and 107.215 in applying Subchapter IA to the approximately 150 *existing* ocean-going U.S. flag mobile offshore drilling units. "Existing" Mobile Offshore Drilling Units are those vessels which have been contracted for before the effective date of the regulations including:

(1) Units in Service.

(2) Units under construction.

(3) Units contracted for which are to be constructed and delivered prior to January 1, 1981.

b. Existing *uncertificated* mobile drilling units of which there are approximately 92 of the bottom bearing configuration, i.e., jack-up and submersible types, have not previously been required to comply with vessel inspection regulations. Some units have met the load line requirements of Subchapter "E" for International Voyages. Many of the

older units are not classed by a classification society. Bottom bearing units operating on the Outer Continental Shelf of United States have been required to meet the safety requirements of 33 CFR Subchapter "N" as artificial islands. On January 3, 1979, existing bottom bearing units are subject to the "grandfather provisions" in §107.211(c) of Subchapter IA.

c. Existing *certificated* mobile offshore drilling units, for the purposes of this NVIC, are column-stabilized and ship-shape types of which approximately 58 are currently certificated, or have made application for an original Certificate of Inspection or intend to make application for an original inspection for certification under 46 CFR Subchapter "I" on the basis of the unit being contracted for prior to the effective date of the new regulations. These units may continue to meet the structural, equipment, material and arrangement standards which were applicable to the hull, engineering, electrical and industrial systems when the units were contracted for. In addition they must meet the provisions of d.(1), d.(4)(d), d.(7)(b), d.(8), d.(9), d.(10)(b), d.(11) and d.(12) of paragraph 3 of this NVC in accordance with §107.215(c)(2) of Subchapter IA.

d. *Inspection Provisions for Existing Uncertificated Units.* The intent of the "grandfather" provisions of this NVIC for existing uncertificated units is to ascertain through inspection that the material condition of the unit and its equipment meet reasonable levels of safety. To this end, the following determinations will be made:

- The design, construction and arrangements of the hull, machinery electrical and industrial systems do not reveal manifestly unsafe aspects.

- There is no excessive deterioration of the hull structure or equipment foundations.

- There are no intrinsic fire or explosion hazards.

- There are no personnel hazards such as unguarded moving machinery, potential electrical shock conditions or lack of handrails.

- The unit is seaworthy and exhibits satisfactory stability.

(1) *General.* (a) Repairs and minor alterations to hull structure or equipment may be made to the same standards as the original installation. However, new installations or major alterations which affect vessel or personnel safety shall meet the applicable standards of Subchapter IA.

(b) Existing items of safety equipment not meeting the applicable specifications or requirements set forth in Subchapter IA may be continued in service as long as they are maintained in good working order to the satisfaction of the OCMI. Such safety equipment and installations requiring extensive repairs shall be replaced and shall meet the

applicable specifications and requirements of Subchapter IA.

(c) The OCMI has discretion to accept alternatives or equivalents which meet the established standards, and to give special consideration to departures from the regulations when it can be shown that special circumstances warrant such departures.

(2) *Plan Submittal.* (a) For units not classed by the American Bureau of Shipping or other recognized classification society, (see 46 CFR 108.109) the OCMI must have sufficient plans and information submitted to him which will describe such things as the unit's size, construction, configuration, arrangement of tanks, decks and spaces; and the machinery and electrical installation. In addition, the OCMI may require submittal of any additional data he considers necessary in order to proceed with the original inspections.

(b) For units classed by the American Bureau of Shipping or other recognized classification society, the plans and information described in Subchapter IA §107.305 (a), (b), (v), and (ii) and a general description of the machinery and electrical installation shall be submitted to the OCMI for information. The OCMI may accept continued classification as proof of structural, mechanical, and electrical sufficiency. However, the OCMI may require additional plans and information if necessary.

(3) *Hull Structure.* (a) No structural changes will be required unless manifestly unsafe conditions exist.

(b) Existing uncertificated units must be drydocked or have a special examination in lieu of drydocking as required by 46 CFR, 107–261.

(c) Achievement of one compartment subdivision is not required where extensive modification of the original design would be necessary; however, watertight integrity of the hull and structural boundaries must be maintained. Bulkheads and decks designed to be watertight must be maintained as such where they are penetrated by pipes, electrical cable, reach rods, ventilation systems, etc.

(4) *Stability.* (a) The stability of each existing unit will be reviewed by the Coast Guard. The plans indicated in 46 CFR Subchapter IA §107.305(q) through (u-1) must be submitted to the cognizant OCMI or Merchant Marine Technical Office.

(b) Lightship data from a Coast Guard witnessed and approved stability test is required for each existing, uncertificated unit. Alternatively other evidence of lightship values will be considered on a case by case basis.

(c) In general, compliance with the intact stability standards of 46 CFR Subchapter IA, §§108.303 through 108.309 is required. Where existing units were designed to a lesser standard of stability than that specified in §§108.303 through 108.309, some relaxation based on proven past performance may be

granted at the discretion of the OCMI and limiting conditions, if any, set forth in the operating manual. In no case will the minimum wind speed for adequate stability be reduced below 50 knots.

(d) An operating manual shall be prepared for each unit. Each operating manual must contain the information indicated in 46 CFR Subchapter IA, §109.121(d) and be submitted to the cognizant OCMI or Merchant Marine Technical Office for review.

(5) *Load Line.* (a) All units are required to obtain and maintain a valid Load Line Certificate. The structure and stability of the unit must be proven adequate for the voyages and areas of operation intended.

(b) The American Bureau of Shipping or other recognized classification society will issue Load Line Certificates and conduct initial and annual load line surveys. Coast Guard and the American Bureau of Shipping inspections may be conducted simultaneously, but it is the owner's responsibility to arrange coordinated inspection schedules.

(c) The structural review conducted by the American Bureau of Shipping or other recognized classification society for load line assignment may be accepted by the Coast Guard as proof of structural adequacy of the hull.

(d) The stability review must be completed prior to issuance of a Load Line Certificate. The Coast Guard will inform the American Bureau of Shipping or other recognized classification society of the results of the stability review, and will indicate any stability limitations to be placed on the Load Line Certificate.

(e) Freeboard calculations for self-elevating units with barge type hulls will be made in accordance with 46 CFR, Part 42. The bow height requirements of 46 CFR 42.20–70 may be relaxed to approximately 33% of the normal requirement for barge shapes moving at speeds less than 6 knots. No relaxation of the addition to freeboard for deficiency in sheer is allowed. The freeboard for units other than self-elevating units with barge type hulls will be based upon compliance with the intact and damage stability standards applicable at the time the unit was contracted for.

(f) All units *delivered after the date of this NVIC* regardless of contract date, must obtain a Load Line Certificate as soon as operationally feasible.

(6) *Route and Operating Area Limitations.* (a) Units classed by the American Bureau of Shipping or other recognized classification society for ocean service generally will be certificated by the Coast Guard for ocean routes.

(b) Unclassed units which have proven structural and stability adequacy by continued safe operation in a specific geographic area, such as the Gulf of Mexico, will be limited by the Certificate of Inspection and

Load Line Certificate to that area. To qualify for an unlimited oceans route, such a unit must be reviewed for adequacy of the structure and stability by the Coast Guard and meet the Load Line requirements of d. (5) above.

(c) Any unit which intends to move or operate outside the geographical area indicated on the Certificate of Inspection must receive prior approval from the OCMI.

(7) *Fire Protection.* (a) *Structural fire protection.* All units must meet the provisions of §108.123, Insulation of Combustible Materials and §108.127, Storage Lockers for Combustibles. All existing interior stairways which are open at each end must be enclosed at one level. On units where wood was utilized in the construction of accommodation spaces, each space must be equipped with a smoke or heat detector either battery powered or operating on the AC power supply. All detectors must have the Underwriters Laboratories, Inc., label (UL) or the Factory Mutual Laboratories (FM) label.

(b) *Fire Extinguishing Systems.* Systems and equipment must be provided which will meet or be equivalent to the applicable specifications and provisions required by Subchapter IA. Installed fire extinguishing systems, which provide equivalent or greater protection than systems required by Subpart E, Subchapter IA may be continued in use as long as they are in good material condition and will function as designed. Where practicable, existing washdown systems may be utilized as the firemain. Where wood was utilized in the construction of accommodation spaces, the applicable requirements of 46 CFR Subchapter IA, Table 108.495(a) should be doubled.

(8) *Lifesaving Equipment.* (a) Each unit must have lifesaving equipment (lifeboats and davit launched liferafts) for 200 percent of the total persons allowed on board. Except for submersible type units, the installation of lifeboats for 100 percent of the persons (on board) is required in accordance with 46 CFR 108.503 of Subchapter IA. Consideration will be given to those units where existing arrangement and structure do not provide sufficient room for installation of the lifeboats or where the added weight of the lifeboats, davits and winches will materially reduce the variable load capacity of the unit. In such cases, davit launched inflatable liferafts with a combined personnel capacity of the required lifeboats, and a rescue boat approved by the OCMI may be acceptable equivalents. Submersible type units may substitute Coast Guard approved throw over type inflatable liferafts and an approved rescue boat for the required lifeboats.

(b) For the second part of the total 200 percent primary lifesaving requirement, lifeboats installed in accordance with 33 CFR, Subchapter "N" Part 144 or Coast Guard approved life floats may be retained as pro-

vided for in 3.d(1)(b) of this Circular. They will be considered collectively with the Coast Guard approved liferafts for calculating the amount of equipment to provide for 100 percent of personnel on board.

(c) Adequate access to all lifesaving equipment must be provided.

(9) *Cranes.* (a) Plan approval will not normally be required of any crane which conforms to the specifications of the manufacturer as originally installed. A rated load test as described in §107.260 of Subchapter IA will be required unless the crane has been load tested while under certification by an approved certifying authority as provided for in 46 CFR 107.258. Prior to the rated load test, the crane should be identified by manufacturer and model number to determine that the correct load rating chart is being used. The owner must submit to the OCMI details and calculations of any alterations to a crane which were accomplished without manufacturer's documentation in order to verify the rated load of the crane.

(10) *Electrical.* (a) Multiple power sources do not require an emergency generator; however, storage batteries or approved relay-controlled battery operated lanterns are required to be installed for the emergency lighting system and provide 12 hours of lighting.

(b) Electrical equipment installed in Class I, division 1 and 2 locations, as defined in Subchapter IA, §108.170 must be of a suitable type and in good material condition.

(11) *Unfired Pressure Vessels.* (a) Unfired pressure vessels built and stamped in accordance with Section VIII of the ASME Code may be continued in service as long as they remain in satisfactory condition. At the original and subsequent inspections for certification, ASME Code pressure vessels must be tested and examined in accordance with the requirements in 46 CFR 61.10-5.

(b) Unfired pressure vessels which cannot be identified as being constructed to any recognized standard may be continued in service provided that no obvious defects are noted. These pressure vessels shall be hydrostatically tested to one and one half times the working pressure. For pressure vessels that can not be reasonably hydrostatically tested, nondestructive testing may be used to verify the pressure vessels condition for continued serviceability. These pressure vessels will then be stamped with a Coast Guard identification number and periodically tested and examined in accordance with the requirements in 46 CFR 61.10-5.

(12) *Marine Sanitation Devices.* (a) All units must meet the provisions of 33 CFR Part 159, Coast Guard Marine Sanitation Devices Regulations. The discharge requirements are compatible with the OCS Orders of the U.S. Geological Survey.

4. *Action.* a. The owner of each *existing certificated* unit must provide the cognizant OCMI a proposed plan to accomplish the requirements in paragraph 3. c. of this NVIC within 60 days from the effective date of the regulations. Most items should be approved at the unit's next inspection for certification; however, where major equipment installations are concerned, the owner may be allowed up to two years to comply with the requirements from the time the OCMI completes his assessment of the proposals.

b. *Application for Original Inspection for Certification.* Not later than sixty days from January 3, 1979, application for original inspection for certification of all *existing uncertificated units*, shall be submitted to the appropriate OCMI. The plans or descriptive data specified in paragraph 3.d(2) of this NVIC along with a proposed plan to bring the unit into compliance should, if possible, be submitted with the application for inspection. If not feasible to assemble all required information in this time frame, an estimated date of submittal shall be indicated on the application. Arrangements should be made to commence the original inspection for certification with due consideration for the unit's operating situation.

c. To the extent possible the same inspection team will conduct the inspection of all existing uncertificated units in a geographical area. It may be advantageous to conduct the original inspection in conjunction with an impending special or periodic survey, drydocking or availability period. Units under construction will receive primary consideration by the OCMI for the allocation of time and personnel so that any problems can be identified while the unit is in the most advantageous situation to apply corrections.

d. The variety of designs and arrangements presented by existing uninspected MODU's makes it impractical to prescribe detailed standards for all existing units. The proce-

dures followed to implement this NVC must provide the necessary flexibility. Items which must be taken into consideration in applying this NVIC are listed below. Categorizing units into groups to which the same items apply will be of value during the inspection process. These items are:

- Type
- Builder
- Model
- Date build
- Classed by ABS or other classification society
- Load Line assignment
- Operating history (including geographical areas)
- Present location

e. *Issuance of the Original Certificate of Inspection.* The intent of the original inspection of *existing uncertificated units* is to identify and commence correction of any unsafe conditions and/or equipment deficiencies and to issue the unit an original Certificate of Inspection. A reasonable period of time will be permitted to correct minor deficiencies. Those items directly affecting personnel safety and health will require immediate attention to correct the unsafe condition. Extensive deficiencies, such as those involving structural aspects or equipment may require up to two years to remedy. Additional times may be allowed if repair facilities are not available to coastal areas adjacent to the unit's area of operation. Where manifestly unsafe conditions are found, the OCMI may require that the unit discontinue operations until such conditions are corrected. If the owner or operator feels aggrieved by the decision of the OCMI, the appeals procedures of 46 CFR 2.01–70 are applicable.

f. Questions concerning this NVIC should be referred to the Commandant (G–MOC).

[CGD 73–251, 43 FR 56828, Dec. 4, 1978, as amended by CGD 96–041, 61 FR 50730, Sept. 27, 1996]

INDEX

SUBCHAPTER I—CARGO AND MISCELLANEOUS VESSELS AND SUBCHAPTER I-A—MOBILE OFFSHORE DRILLING UNITS (MODUs)

EDITORIAL NOTE: This listing is provided for informational purposes only. It is compiled by and kept current by the Coast Guard, Department of Transportation. In general, reference in this index pertains to new construction or installations. For existing vessels or installations see the “application” in the text covering the particular referenced part, subpart, section, etc.

Part, subpart or section

A

Access:	
General. (See also Means of escape).....	92.10
To fire extinguishing valves and controls:	
Carbon dioxide	95.15-20
Foam	95.15-17
Steam	95.13-1
To lifeboats.....	92.10-40
Accident: Report of.....	97.30, 97.07
Accommodation space:	
Carbon dioxide piping in	95.15-15(f)
Crew	92.20, 107.305
Fire protection equipment required	95.05
Mobile Offshore Drilling Units (MODUs)	107.231(r), 108.193 et seq.
Officer	92.20
Actions required to be logged	97.35-5
Additional requirements when cargo tanks are installed below decks	105.25
Cargo pumping installation	105.25-10
Compartments or areas containing cargo tanks or pumping systems.....	105.25-5
General requirements	105.25-1
Shut off valves required	105.25-20
Spacings around tanks.....	105.25-15
Ventilating systems for cargo tanks or pumping system compartment	105.25-7
Administration.....	105.01
Effective date of regulations.....	105.01-10
Intent of Public Law 90-397 (approved July 11, 1968, 82 Stat. 341).....	105.01-5
Purpose and authority for regulations	105.01-1
Address:	
Coast Guard	107.117
For submittal of plans, specifications and calculations	107.317
Aids to navigation	97.05
Air port:	
Insect screens in, crew accommodations	92.20-55
Kept closed at sea	97.15-20
Alarm:	
Carbon dioxide extinguishing system.....	95.15-30
General alarm system.....	96.05, 109.201

46 CFR Ch. I (10–1–02 Edition)

Markings	97.37-5, 97.37-7, 97.37-9, 97.37-50
Miscellaneous machinery	96.05
Refrigerated space	96.05
Ventilation failure	97.37-50
Alteration:	
Notice of.....	91.45-1
Plans required	91.55-10
American Bureau of Shipping:	
Authority to issue cargo ship safety construction certificates	91.60-45
Hull structure.....	92.01-10, 92.01-15
MODUs.....	107.115, 107.305, 107.317, 108.109, 108.113
Recognized classification society	90.10-35
Standards.....	90.35
Standards may be used.....	91.15-1
American National Standards Institute	107.115
American Petroleum Institute	107.115
American Society of Mechanical Engineers	107.115
American Society for Testing and Materials (ASTM).....	92.01-2, 95.01-2, 95.10-10, 96.01-3, 96.35-5(c), 108.101, 108.427, 108.497
Ammonia, anhydrous in bulk	98.25
Anchor: General requirements.....	96.07, 108.705
Anhydrous ammonia.....	98.25
Anhydrous ammonia in bulk:	
Applicability	98.25-1
Cargo hose	98.25-80
Cargo piping	98.25-55
Design and construction of cargo tanks	98.25-10
Electrical bonding	98.25-85
Filling and discharge pipes.....	98.25-50
Filling density	98.25-65
General.....	98.25-1
How anhydrous ammonia may be carried	98.25-5
Installation of cargo tanks.....	98.25-20
Lagging.....	98.25-30
Liquid level gauging device	98.25-45
Markings	98.25-15
Refrigerated systems.....	98.25-35
Safety relief valves.....	98.25-60
Special operating requirements.....	98.25-90
Tests and inspections	98.25-95
Valves, fittings, and accessories.....	98.25-40
Ventilation	98.25-75
Venting	98.25-70
Appeal, right of.....	90.01-7, 107.01-3
Applicability of subchapter I to vessels.....	90.05
Application commercial fishing vessels	105.05
Commercial fishing vessels dispensing petroleum products.....	105.05-1
Intent of regulations.....	105.05-10
New vessels and existing vessels for the purpose of application of regu- lations in this part	105.05-3
Prohibitions regarding petroleum products	105.05-2
Types of vessels	105.05-5
Applicator: For combination nozzle.....	95.10-10(k)
Approved:	
Definition of.....	90.10-1, 107.111
Fire protection equipment to be	95.01-5, 95.05
Plans to be	91.55
Arrangements:	

Subchapters I and I-A Index

Equivalents for	90.15
Initial inspection	91.20
Plans required	91.55-5

B

Ballast: System.....	96.03-1(a)
Barge	90.05-25
Definition.....	90.10-2, 90.10-36
Basin.....	92.20-25
Bath tub.....	92.20-25
Bell:	
General alarm	96.05-1, 108.625
Markings.....	97.37
Berth.....	92.20-20
Bilge:	
Inspection for fire hazards	91.25-45
System	96.03-1
Boat drill	97.15-35
Boiler:	
Accident to or repair of	97.30
Carrying excess steam	97.45
Examination of.....	97.15-15, 109.205
General.....	96.03-1
Insulated from woodwork.....	92.05-5
Boiler space.....	96.03-1
Breathing apparatus	96.03-1, 96.35
Bulk grain cargoes.....	93.20
Bulk ores and similar cargoes, cargo stowage	97.12-1
Buoyant heaving line: Burning operations on MODUs	109.573

C

Carbon dioxide extinguishing system:	
Access to supply and controls	95.15-10(a)
Alarms	95.15-30, 108.627
Controls.....	95.15-10
Discharge outlets.....	95.15-25
Enclosure openings.....	95.15-35
For cargo spaces.....	95.15-5(c)
For machinery spaces, paint lockers, tanks, etc	95.15-5(d)
General. (See Freight)	
General details.....	95.15, 108.431
Inspection	91.25-20
Installation test	95.15-15(j)
Markings	95.15-10(c), 95.15-30(a), 95.15-10(h)
MODUs.....	108.431, et seq.
Openings in quarters not permitted.....	95.15-15(i)
Operating instructions	95.15-10(h)
Piping	95.15-15, 108.441
Pressure relief	95.15-40
Quantity, pipe sizes, discharge rate	95.15-5
Recharge of cylinders	95.15-20(e)
Storage	95.15-20, 108.451
Type system required	95.15-1(b)
Where required.....	95.15-1
Cargo, bulk grain.....	93.20
Cargo in bulk, dangerous. (See Dangerous cargoes in bulk)	
Cargo gear:	

46 CFR Ch. I (10–1–02 Edition)

Definition.....	91.37-3(a)
Inspection of.....	91.25-25(a)(3), (b)
Plans approved by a recognized cargo gear organization	91.37-23
Plans required when plans are not approved by a classification society or recognized cargo gear organization.....	91.37-15
Proof tests	91.37-40
Tests and examination of shipboard cargo gear.....	91.37-5
Cargo space: Fire protection equipment required.....	95.05
Cargo stowage.....	97.12
Bulk ores and similar cargoes.....	97.12-1
Manual	97.12-5
Cargo tank internal examination:	
Definition.....	91.40-1(c)
Intervals.....	91.40-3
Plans, availability of	91.40-5
Carrying freight for hire: Definition of.....	90.10-5
Carrying passengers for hire:	
Machinery. (See Machinery space)	
Vessels	90.05-1
Casualty, notice and reporting of	97.07
Certificate:	
Duration of	91.60-40
Posting of	91.60-35
Types:	
Exemption.....	91.60-25, 107.413
Inspection. (See Certificate of inspection)	
Safety Construction	91.60-5, 107.409
Safety Equipment	91.60-10, 107.405
Safety Radiotelegraphy	91.60-15
Safety Radiotelephony.....	91.60-20
Temporary. (See Temporary certificate of inspection)	
Certificate of inspection:	
Compliance with provisions of.....	97.50
Expired certificate.....	91.01-20
General	91.01
Initial inspection prerequisite for.....	91.20-1
Inspection of certification	91.25
MODUs.....	107.201 et seq.
Period of validity.....	91.01-10
Certificates Under International Convention for Safety of Life at Sea, 1960.....	91.60, 107.401 et seq.
Chain, anchor.....	96.07, 108.705
Chart:	
On MODUs.....	109.565
Required.....	97.05-5
Classified locations on MODUs	108.170 et seq.
Coast Guard address	107.117
Coast Guard District Commander	90.10-9
Coastwise, defined	90.10-11
Column, defined	107.111
Combination nozzle	95.10-10
Combustible and flammable liquids in bulk	90.05-35, 109.557
Commandant, defined	90.10-7, 107.111
Commercial fishing vessels dispensing petroleum products.....	105
Communication system:	
Details.....	96.05-1
Testing	97.15-3, 109.201

Subchapters I and I-A Index

Compass: MODUs	108.715
Construction:	
Crew accommodations	92.20-15
Elimination of fire hazards	92.05-1
Inspection:	
For certification	91.25
Initial	91.20
Structural standards	92.01-10, 92.01-15
MODUs	107-305(hh), 108.113 et seq.
New plans and specifications for	91.55-5
Contracted for, defined	90.05-5
Controls:	
Fire extinguishing systems:	
Carbon Dioxide	95.15-10
Fire main	95.10-15
Foam	95.17-10
Steam	95.13-1
Corridors: Dead end	92.10-30
Coupling fire hose	95.10-10
Cranes on MODUs	107.231, 107.258, 107.259, 107.309, 109.437, 107.439, 107.521, 107.525, 109.527
Crew Accommodations	92.20
Construction	92.20-15
General	92.20
Heating and cooling	92.20-50
Hospital space	92.20-35
Insect screens	92.20-55
Laundry facilities	92.20-40(a)
Location	92.20-10
Messrooms	92.20-30
Recreation facilities	92.20-40(b), (c)
Sleeping accommodations	92.20-20
Ventilation	92.15-15
Washrooms and toilet spaces	92.20-25

D

Damage	97.07
Dangerous cargo in bulk	98.01, 98.25, 98.30
Davit: Inspection for certification	91.25-15
Daylight signaling lamp	96.05
Deenergizing of cargo hold lighting circuits, etc.	97.55
Master's responsibility	97.55-1
Warning notice posted	97.55-5
Definitions:	
Pertaining to hull examinations	91.40-1
Pertaining to inspection of cargo gear	91.37-3
Pertaining to MODUs	107.111
Terms used in subchapter I	90.10, 105.10
Design and Equipment	Part 108
Equipment not required	108.103
Incorporation by reference	108.101
Lifejackets, immersion suits, and life buoys	108.649
Lifesaving equipment	Subpart E
Muster list	Subpart J
Substitutes for required fittings, material, apparatus, equipment, arrangements, calculations, tests	108.105
Detecting, fire	95.05
Discharge, overboard. (See Overboard discharge)	

46 CFR Ch. I (10–1–02 Edition)

Disassembling of gear, defined.....	91.37-3(b)
Dismantling of gear, defined.....	91.37-3(b)
Display of plans	97.36
Door:	
Insects screens to crew accommodations	92.20-55
Kept closed at sea	97.15-20
Loading.....	97.15-17
Locking of, required means of escape.....	92.10-20
To crew accommodations	92.20-10(b)
Watertight.....	91.25-25(a)(1)
Draft:	
Logged when leaving port	97.15-5
Marking on MODUs	108.661, 108.663
Required to be marked on vessel	97.40-5, 97.40-10
Drain:	
Crew spaces:	
Carbon dioxide	95.15-15(g)
Fire main	95.10-10(e)
Foam.....	95.17-15(d)
Steam smothering.....	95.13
Drydock examination:	
Definition.....	91.40-1(a)
Intervals.....	91.40-3
Plans, availability of	91.40-5
Drydocking:	
MODUs.....	107.231(u), 107.261, 107.265
Notice by master, owner, operator or agent of vessel	91.40-5
Periodical	91.40

E

Electric lifeboat winch systems.....	96.05-1
Electric propulsion and propulsion control systems.....	96.05-1
Electric steering gear and steering control systems.....	96.05-1
Electrical engineering:	
Annual inspection of equipment.....	91.25-30
General requirements	90.25
Initial inspection of equipment.....	91.20-20(d)
MODUs.....	107.305(aa)
Systems, installations and details.....	96.05-1
Vessels subject to regulations.....	90.05-1
Electrical propulsion machinery:	
Electrical fittings and fixtures.....	105.30-1
Electrical requirements	105.30
Enclosed ventilation system for:	
Fire extinguishing system required	95.05-10(3)(f)
Grounding of electrical equipment.....	105.30-5
Emergency light:	
Marking	97.37-25, 108.639
Required	96.05
Emergency lighting and powering:	
Details	96.05
Segregation of	92.05-15
Testing	97.15-30, 109.211
Emergency loudspeaker system.....	96.05
Emergency position indicating radiobeacon (EPRIB)	108.650
Engine order telegraph system	96.05
Equipment:	

Subchapters I and I-A Index

Equivalents for	90.15
Installations made during unlimited emergency	90.30-5
Lifesaving. (See Lifesaving equipment)	
On vessels acquired or documented under Act of August 9, 1954	90.30-1
Protection from refrigerants	96.30
Sounding	96.27
Equivalents.....	90.15
Escape.....	92.10
Certificates under International Convention Safety of Life at Sea, 1960.....	91.60
Mobile Offshore Drilling Unit	107.231(p), 108.151 et seq.
Exhaust, internal combustion engine; insulation of.....	92.05-5
Existing commercial fishing vessels dispensing petroleum products.....	105.90
Commercial fishing vessels dispensing petroleum products contracted for prior to December 1, 1969.....	105.90-1
Exit.....	92.10
Explosives, prohibition of usage on MODUs	109.559
Extinguisher. (See Hand portable fire extinguishers; Semiportable fire extin- guishing systems)	
Extinguishing system. (See Fire extinguishing system)	

F

Federal Communications Commission:	
Initial inspection of radio installation.....	91.20-15
Inspection of radio installation.....	91.25-10
Fire axe:	
Location	95.60-10
Number required	95.60-5
Fire detecting and alarm systems.....	96.05-1
Fire detection system:	
Initial inspection.....	91.20-15(a)
Inspection for certification	91.25-10(a)
MODUs.....	108.404, 108.405, 108.407, 108.409, 108.411, 108.413, 108.415 et seq.
When required	95.05-1
Fire drills on MODUs	109.213
Fire extinguisher. (See Hand portable fire extinguisher; Semiportable fire extin- guisher system)	
Fire extinguishing equipment, generally	105.35
Fire extinguishing system:	
Initial inspection.....	91.20-15
Inspection for certification	91.25-10
Markings	97.37-10, 97.37-13
MODUs.....	107.231, 107.235, 107.251, 107.257, 108.103, 108.401 et seq., 108.629, 108.631
When required.....	95.05-10
Fire hazard:	
Elimination from structure	92.05
Inspection for	91.25-45
Firehose:	
Additional when foam extinguishing system under	95.17-25
Couplings	95.10-10(1)
Generally	105.35-15
Inspection	91.25-20
MODUs	107.257, 108.425, 109.331
Size, length, and stowage	95.10-10
When and where required.....	95.10
Firehose nozzle:	

46 CFR Ch. I (10–1–02 Edition)

Additional combination nozzles required when foam extinguishing system under	95.17-25
Combination nozzles required	95.10-10(i)
Type and size required	95.10-10(i)
Firehose rack	95.10-10(g)
Fire hydrant:	
Additional required when foam extinguishing system used	95.17-25
MODUs	108.425, 109.331, 109.333
Size and location	95.10-10
Fire main system:	
Additional requirements when foam extinguishing system used	95.17-25
Couplings	95.10-10(1)
General details	95.10
Generally	105.35-10
Hose	95.10-10, 105.35-15, 108.425
Hydrants	95.10-10, 108.423
Marking of valves	95.10-15(b)
MODUs	107.251, 108.401, 108.415 et seq.
Piping	95.10-15
Protection from freezing	95.10-10(e), 108.429
Pumps	95.10-5, 105.35-5, 108.415, 108.417, 108.421
Shore connection	95.10-10(c)
When required	95.05-5
Fireman's Outfit	96.35, 96.35-10
Application	96.35-1
General	96.35-5
MODUs	108.497, 109.337
Spare charges	96.35-20
Stowage	96.35-15
Vessels contracted for before Nov. 23, 1992	96.35-90
Fire protection equipment: Approval equipment not required	95.01-5
Fire detecting systems. (See Fire detecting system)	
Fire extinguishing systems. (See Fire extinguishing system)	
General	95
Hand portable fire extinguishers	95.05-15
Initial inspection	91.20
Inspection of	91.25-20
Installations made during unlimited emergency	90.30-5
On vessels acquired or documented under Act of August 9, 1954	90.30-1
Semiportable fire extinguishing systems	95.05-15
Test, drills, inspections	97.15-60
Fire protection, general	92.05, 108.123, 108.127
Fire protection, structural	92.07, 108.131 et seq.
Fire pump:	
Number, type, size, and location	95.10-5
Used for other purposes	95.10-5(f)
Fire watch, general	97.27-5
First aid kit: MODUs	108.707
Flammable and combustible liquid cargo in bulk	90.05-35, 109.557
Foam extinguishing system:	
Access to supply and controls	95.17-10(b)
Additional protection required	95.17-25
Controls	95.17-10
Discharge outlets	95.17-20
General details	95.17
Inspection	91.25-20
Markings	95.17-10(d)
Piping	95.17-15

Subchapters I and I-A Index

Quantity of foam required	95.17-5
Where required	95.05-10
Freight:	
Carriage for hire.....	90.10-5
Carriage of when proceeding to another port for repair	91.05
Fuel:	
Requirements for oil.....	97.15-55
Tanks	95.05-10(b)
Fuel oil tanks, integral.....	91.43
Fuel oil units: Fire extinguishing system required in spaces con- taining	95.05-10
Furniture:	
Crew accommodations	92.20-20(c)
Crew hospital.....	92.20-35
Messrooms	92.20-30

G

Galley. (See also Service space):	
Uptake insulation	92.05-5
Gas free, definition	90.10-12
Gas freeing	91.50
Gas mask:	
Marking of stowage space.....	97.37-20
Required	96.30-15
Gasoline, when using as fuel: Ventilation.....	92.15-5
General alarm systems:	
Details	96.05
Markings	97.37-5, 97.37-7
Gravity davit. (See Davits)	
Great Lakes: Definition of.....	90.10-13
Grounding: Notice of	97.07-1
Guard. (See Rail)	

H

Hailing port, marked on stern	97.40-5
Halogenated gas extinguishing system, MODUs.....	108.458 et seq.
Hand portable fire extinguishers: Classification.....	95.50-5
Inspection of.....	91.25-20
Location	95.50-10
Markings	95.50-10(d)
Spare charges	95.50-15
When required.....	95.05-15
Hatch:	
Closure of.....	97.15-20
To crew accommodations	92.20-10(b)
Hawser	96.07, 108.705
Hawsepipe in crew accommodations	92.20-10(b)
Hazardous materials incidents, notice and reports	97.07
Headquarters, defined.....	90.10-14, 107.111
Heating and cooling, crew spaces	92.20-50
Helicopter facilities on MODUs	108.231 et seq., 108.486, 108.487, 108.489, 108.653, 109.575, 109.577
Hose:	
Fire.....	95.10-10
Nozzle	95.10-10
Outlets.....	95.10-10
Rack	95.10-10(g)

46 CFR Ch. I (10–1–02 Edition)

Semi-portable fire extinguishing systems. (See Semi-portable fire extinguishing system)	
Hospital, crew	92.20-35
Hull structure	92.01-10, 107.305
Hydrant	95.10-10

I

Incorporation by reference	92.01-2, 95.01-2, 96.01-3, 107.115, 108.101
Industrial personnel, defined	90.10-15, 107.113
Industrial systems and components, defined	107.111
Industrial vessel, defined	90.10-16
Initial inspection	91.20
Inspection:	
After accident	91.30
Alterations and repairs	91.45
Carbon dioxide cylinders	95.15-20(i)
Certificate of. (See Certificate of inspection)	
Commercial fishing vessels	105.15(a)
Application for	105.15-10
Authority of marine inspector	105.15-5
Exhibition of letter of compliance	105.15-20
General	105.15-1
Letter of compliance	105.15-15
Drydocking. (See Drydocking)	
Fire extinguishing equipment	91.25-20
For certification	91.25
Gas freeing. (See Gas freeing)	
Initial. (See Initial inspection)	
Inflatable liferafts, servicing	91.25-15
Inspector not limited	91.25-50
Installation of carbon dioxide extinguishing system	95.15-15(j)
MODUs	107
Sanitary. (See Sanitary inspection)	
Standards of	91.15
Tanks containing dangerous cargo	91.25-37
Tests, drills and inspections by vessel personnel	97.15
Watertight doors. (See Watertight doors)	
Inspection of cargo gear:	
Additions to gear	91.37-60
Advance notice that cargo gear testing is desired	91.37-80
Alterations, renewals, or repairs of cargo gear	91.37-65
Annealing	91.37-55
Cargo gear of special design and limited use	91.37-10
Cargo gear plans approved by a classification society	91.37-20
Cargo gear plans required when plans are not approved by a classification society	91.37-15
Definitions of terms and words used in this subpart	91.37-3
Factors of safety	91.37-25
Lifesaving equipment	91.25-15
Loose gear certificates and tests	91.37-30
Marking of booms and cranes	91.37-45
Proof test of cargo gear as a unit	91.37-40
Records regarding cargo gear	91.37-75
Responsibility for conducting required tests and examinations	91.37-85
Test and certification of wire rope	91.37-35
Use of wire rope and chains	91.37-50

Subchapters I and I-A Index

When made.....	91.37-1
Instructions:	
For changing steering gear.....	97.37-33, 108.641
Operation of fire extinguishing systems:	
Carbon dioxide.....	95.15-10(h)
Foam.....	95.17-10(c)
Routing.....	97.47
Use of self-contained breathing apparatus.....	96.30-5
Insulation: Of woodwork.....	92.05-5
Integral fuel oil tank examination.....	91.43
Interior communication. (See Communication system)	
Internal structural examination: Definition.....	91.40-1(b)
Intervals.....	91.40-3
Plans, availability of.....	91.40-5
International Cargo Bureau.....	107.115
International service, defined.....	107.111
International voyage: Regulations applicable to.....	90.05-10
Interpretive rulings, portable containers.....	90.05-30

J

Jacob's ladder. (See Ladder)

L

Ladder. (Also see Stairway):	
Vertical, as means of escape.....	92.10-15
Lakes, bays, and sounds: Definition of.....	90.10-19
Laundry: Crew.....	92.20-40(a)
License: Exhibition of.....	97.53
Lifeboat:	
Access to.....	92.10-40
Drill. (See Fire and boat drill)	
Manning of.....	109.323
MODUs.....	108.503 et seq., 108.645, 109.323
Life preserver:	
Inspection for certification.....	91.25-15
Markings.....	108.649
MODUs.....	107.231, 108.649, 108.699, 109.334
Liferaft	
Equipment for:	
Marking.....	108.647
MODUs.....	108.647, 108.655, 109.323
Lifesaving appliances and approaches.....	90.27, 108.500
Marking of.....	108.645
Personal.....	108.580
Lifesaving equipment.....	91.55-5(g)
Application.....	108.510
Communications.....	108.595
EPRIB.....	108.650
Free-fall lifeboat launching and recovery arrangements.....	108.557
General.....	108.500
Initial inspection.....	91.20
Inspection for certification.....	91.25-15
Installations made during unlimited emergency.....	90.30-5
Lifeboat launching and recovery arrangements.....	108.555
Line-throwing appliance.....	108.597
Marine evaluation system: launching arrangements.....	108.545
MODUs.....	107.231, 107.305

46 CFR Ch. I (10–1–02 Edition)

On vessel acquired or documented under Act of August 9, 1954.....	90.30-1
Personal lifesaving appliances.....	108.580
Relationship to international standards	108.503
Requirements for units built before October 1, 1996.....	108.515
Rescue boat embarkation, launching, and recovery arrangements	108.570
Rescue boats	108.560
Stowage of rescue boats.....	108.565
Stowage of survival craft.....	108.530
Survival craft launching and recovery	108.550
Using falls and a winch	108.553
Survival craft and rescue equipment.....	108.575
Survival craft muster and embarkation arrangement.....	108.540
Survival craft number and arrangement	108.525
Type of survival craft	108.520
Lifesaving signals, placard of	97.43
Lifeboat, defined.....	90.10-20
Light:	
Emergency	96.05
Searchlight	97.25
Lighting: Emergency system.....	96.05
Lighting and powering systems	96.05
Loading doors	97.15-17
Loadline:	
Logging of position relative to water	97.15-5
Marking.....	97.40-15
Structural requirements for	92.01-10
Vessels subject to regulation	90.05-1
Location of means of escape	92.10-10
Locker: For crew	92.20-20(e)
Log:	
Actions required to be logged	97.35
Entries to be made.....	97.35
Retention of.....	97.07
Logbooks and records	97.35-3, 109.433 et seq.
Loudspeaker system: Details.....	96.05

M

Machinery:	
Accidents to or repairs of	97.30
Boilers	96.03
Examination of.....	97.15-15, 109.205
Machinery space: Fire extinguishing equipment required.....	95.05
Magazine chest	97.37-47
Manual on the “Stowage of Bulk Cargoes”	97.12-5
Marine engineering:	
General requirements	90.20
Initial inspection of equipment.....	91.20-20(c)
Inspection of equipment	91.25-35
MODUs	107.305(2)
Systems, installations and details.....	96.03
Vessels subject to regulations.....	90.05-1
Marine inspector, definition of.....	90.10-21, 107.111
Maritime Administration, U.S.: Vessels subject to inspection.....	90.05-1(a)(4)
Markings:	
Carbon dioxide alarm	97.37-9
Draft	97.40-10
Equipment on MODUs	108.621 et seq.

Subchapters I and I-A Index

Fire extinguishing system branch lines	97.37-10
Fire extinguishing system controls.....	97.37-13
Firehose stations	97.37-15
Hand portable fire extinguishers	97.37-23
Lifesaving appliances	108.645
On fire and emergency equipment, etc	97.37
On fire extinguishing systems: Carbon dioxide	95.15-10(c), 95.15-30(a)
Fire main.....	95.10-15(b)
Foam	95.17-10(b)
On stowage locations	108.646
On vessels	97.40
Mask.....	96.30-5
Master, defined	107.111
Means of escape:	
General requirements	92.10
Two means required	92.10-5
Vessels contracted for prior to November 19, 1952	92.10-90
Mechanical ventilation.....	92.15
Messroom. (Also see Accommodation space):	
General	92.20-30
Miscellaneous machinery alarms and controls	96.05-1
MODUs:	
Construction	108.113
Definition	107.111
Design and Equipment	108
Equipment markings	108.621
Fire extinguishing systems	108.401
Inspection and certification	107
Lifesaving equipment.....	109, subpart C
Operation and stowage of safety equipment	109, subpart C
Reports and records	109, subpart D
Stability	108.301
Tests, drills and inspections	109, subpart B
Muster list (station bill)	97.13-1, 97.15-35, 108.901

N

Name of vessel: On vessel	97.40-5
National Fire Protection Association	107.115
Natural ventilation	92.15-15(b)
Nautical publications on MODUs.....	109.565
Navigation bridge visibility	92.03-1
Navigation lights systems.....	96.05-1
Net tonnage: Marked on main beam	97.40-5
Non-self propelled unit, defined	107.111
Notice of casualty	97.07
Notice to mariners.....	97.05
Nozzle: Firehose	95.10-10(i)
Nuclear vessels: special construction, arrangement, and other provisions:	
Construction and design. (See Design and construction)	
Inspection and certification. (See Certification and inspection)	

O

Ocean, definition of	90.10-25
Ocean or unlimited coastwise vessels on inland and Great Lakes	
Routes	90.05-7
Officer accommodations: General.....	92.20
Officer in charge, marine inspection, defined.....	90.10-27, 107.111

46 CFR Ch. I (10–1–02 Edition)

Official log	97.35
OSVs in foreign ports reinspection of.....	91.27-13
OMB control numbers	90.01-15, 107.05
Openings. (See Doors):	
Kept closed at sea	97.15-20
Operating vehicles in enclosed locations	97.80
Operations:	
Actions to be logged.....	97.35-5
Cargo stowage.....	97.12
Bulk ores and similar cargoes	97.12-1
Manual.....	97.12-5
Carrying of excess steam	97.45
Compliance with provisions of certificate of Inspection	97.50
Emergency signals.....	109.503
Emergency training, musters, and drills.....	97.15-35, 109.213
Exhibition of license	97.53
Fire equipment	109.425
General	Part 97
Improper use of searchlight	97.25
Lifesaving equipment	109.301
Logbook entries	97.35, 109.433
Lookout	97.27
Manning of survival craft.....	109.323
Markings for lifesaving Appliances, instructions to passengers, and stowage locations	97.37-42
Markings on equipment	97.37
Markings on vessel	97.40
Muster list (Station bill)	Subpart 5
Emergency instructions	108.901
Notice of casualty and voyage records	97.07
Notice to mariners and aids to navigation	97.05
Persons allowed in pilothouse and on navigation bridge.....	97.10
Reports of accidents, repairs, and unsafe equipment.....	97.30
Routing instructions	97.47
Station bill	97.13
Tests, drills, and inspections	97.15
Unnecessary whistling.....	97.20
Overboard discharge:	
Details	96.03
In way of lifeboats	91.55-5(g)
Oxygen breathing apparatus.....	96.30-15

P

Paint: In crew accommodations	92.20-15(e)
Paint locker. (Also see Service space): Construction	92.05-10
Passenger:	
Definition of	90.10-29
Passenger for hire, definition.....	90.10-29(b)
Passenger Accommodations:	
Sanitary inspection of.....	97.15-10
Ventilation	92.15-15
Permit to proceed to another port for repair.....	91.05, 107.219
Person in charge, defined.....	107.111
Pilot boarding equipment	
Defined.....	107.111
MODUs	108.719, 109.347
Pilothouse (Also see Safety area):	

Subchapters I and I-A Index

Persons allowed in	97.10
Piping:	
Fire extinguishing systems:	
Carbon dioxide	95.15
Fire main	95.10-15(c)
Foam	95.17-15
Systems, general	96.03
Plan:	
Approval	91.20-10, 107.301 et seq.
Display of	97.36
For new construction	91.55-5
Procedure for approval	91.55
Procedure for submittal	91.55-15
Required for alterations	91.45-1(b)
Required, general	91.55
Point of access, defined	107.111
Portable extinguisher	95.05-15
Portable magazine chest: Marking of	97.37-47, 108.651
Portable tanks	90.05-30, 98.30, 98.33
Interpretive rulings	90.05-30
Posting:	
Certificates:	
Exemption	91.60-25
Of inspection	91.01-5
Radiotelegraphy	91.60-15
Radiotelephone	91.60-20
Safety equipment	91.60-10
Temporary	91.01-15
Instructions for:	
Carbon dioxide	95.15-10(h)
Foam	95.17-10(c)
Licenses, exhibition of	97.53
Permit to proceed to another port for repair	91.05-15
Station bill: On MODUs	109.563
Power-operated industrial trucks:	
Propulsion boilers on MODUs	109.555
Propulsion machinery: Fire extinguishing systems required for spaces containing	95.05-10(e)
Protection from refrigerants	96.30
Public space (Also see Accommodation space):	
Means of escape from	92.10-35
Pump:	
Fire	95.10-5
Foam extinguishing system	95.17-5(e), 95.17-10(b)

R

Radar on MODUs	108.717
Radio:	
Initial inspection	91.20
Inspection for certification	91.25
Safety radiotelegraphy certificate	91.60-15
Safety radiotelephony certificate	91.60-20
Radio room. (See Safety area)	
Radioactive material, prohibition of usage on MODUs	109.559
Rail:	
MODUs	108.217, 108.219
Type and size required	92.25

46 CFR Ch. I (10–1–02 Edition)

Recognized classification society, definition of	90.10-35
Records:	
Retention of	97.07, 109.415
Voyage	97.07, 109.415
Recreation space (See also Accommodation space):	
Required for crew	92.20-40(c)
Refrigerated space alarm system	96.05
Refrigeration gas mask	96.30-15
Regulations:	
Authority and purpose	90.01
Reinspection required	91.27-1
Vessels subject to	90.05
Reinspection	91.27
Deficiencies in maintenance	91.27-10
Inspectors not limited	91.27-15
MODUs	107.269
OSVs in foreign ports, alternative	91.27-13
Scope	91.27-5
When made	91.27-1
Repair:	
After accident	91.30
Notice of	91.45-1
Permit to proceed to another port for	91.05
Report of accident or	97.30
Reporting of casualty	97.07
Respiratory protection	96.30
Right of appeal	90.01-7, 107.01-3
Ring life buoy: Marking	108.649
River, definition of	90.10-33
Riveting on MODUs	109.573
Routing instructions	97.47
Rudder: Orders (steering orders)	108.643
Rudder angle indicator system	96.05

S

Safe working load, defined	91.37-3(e)
Safety area: Fire protection equipment for	95.05
Safety equipment certificate:	
Foreign vessels	90.05-1(a)(1)
Required	91.60-10
Safety radiotelegraphy certificate	91.60-15
Safety radiotelephony certificate	91.60-20
Safety valve:	
Breaking seal of	97.30-20
Prohibition against tampering with	97.45-1
Sanitation:	
Crew accommodations	92.20-15
Inspection of	91.25-40
Master and chief engineer responsible for	97.15-10, 109.203
Monthly inspection	91.35
Seagoing barge: Definition	90.10-36
Search and Rescue transponders (SARTs)	108.650
Searchlight:	
Class A motor lifeboat equipment:	
Improper use prohibited	97.25-1
Self-contained breathing apparatus	96.30-5, 96.30-15, 96.30-90, 108.635, 108.703
Marking of stowage space for	97.37-20

Subchapters I and I-A Index

Self-elevating unit, defined	107.111
Self-propelled unit, defined.....	107.111
Semiportable fire extinguishing system:	
Classification	95.50-5
Hose and nozzle for.....	95.50-5(c)
Inspection for certification	91.25-20
Location	95.50-10
MODUs.....	107.235, 108.491 et seq.
When required.....	95.05-15
Service space:	
Fire protection equipment for	95.05
Shell connections.....	96.03
Ship's lighting system	96.05-1
Ship's service generating systems	96.05-1
Ship's service power distribution systems.....	96.05-1
Shore connection: Fire main	95.10-10(c)
Shower.....	92.20-25
Signaling lamp, daylight	96.05-1
Smoke detection system, MODUs.....	108.411
Sound powered telephone and voice tube systems	96.05-1
Sounding equipment.....	96.27, 108.701
Sounding tube: Opening in crew accommodations	92.20-10(b)
Spanner: Required at fire hydrant	95.10-10(g)
Special Construction, Arrangement, and Provisions for Certain Dan- gerous Cargoes in Bulk	Part 98
Applicability	98.01-1
General	98.01
Special operating requirements.....	91.50
Special operating requirements for commercial fishing vessels	105.45
Galley fires	105.45-5
Loading or dispensing petroleum products.....	105.45-1
Smoking	105.45-10
Warning sign at gangway	105.45-20
Warning signals and signs	105.45-15
Specific requirements-cargo tanks for commercial fishing vessels	105.20
Cargo tanks	105.20-3
Grounding	105.20-15
Piping systems	105.20-5
Plans and/or sketches	105.20-1
Pumps	105.20-10
Specifications for new construction.....	91.55-5
Spray nozzle	95.10-10
Stability:	
General	Part 93
MODUs	107.305, 108.301
Requirements, verification of vessel compliance with.....	97.15-7
Vessels subject to requirements.....	93.01-1
Stairway (Also see Safety area)	92.10-25
Width of.....	92.10-25
Stateroom. (See Crew accommodations; Passenger accommodations)	
Steam smothering system:	
General details.....	95.13
Inspection	91.25
Steering system:	
Details	96.03
Instructions for changing gear	97.37-33
Notice for rudder orders	97.37-35
Rudder angle indicating system	96.05

46 CFR Ch. I (10–1–02 Edition)

Testing	97.15-3, 109.201
Store space, fire detection requirements	95.05
Storm rail	92.25-10, 108.221
Stowage:	
Firehose	95.10-10(g)
Markings for locations	108.646
Stranding: Notice of	97.07
Structural fire protection:	
Application	92.07-1
Construction	92.07-10
Definitions	92.07-5
Vessels contracted for prior to July 1, 1968	92.07-90
Structure, inspection of	91.25
Surface type unit, defined	107.111
Survival Craft Equipment, table	108.575(b)

T

Tank:	
Cargo, fire-extinguishing system required	95.05-10(b)
Portable	90.05-30, 98.30, 98.33
Vent and sounding systems	96.03
Telephone, sound-powered	96.05-1
Temporary certificate of inspection	91.01-15, 107.223
Tests and examinations of shipboard cargo	91.37-5
Thorough examination, defined	91.37-3(c)
Toilet space	92.20-25
Tonnage opening, considered closed for:	
Carbon dioxide extinguishing calculations	95.15-5(c)(2)
Ton, defined	91.37-3(d)
Trucks, power-operated, industrial. (See Power-operated industrial)	

U

Underwater survey:	
Defined	91.40-1(d)
Intervals	91.40-3
Plans, availability of	91.40-5
Underwriter's Laboratory	107.115

V

Valve (Also see Piping):	
Fire-extinguishing systems:	
Carbon dioxide	95.15-10, 95.15-15
Fire main	95.10-10, 95.10-15, 109.333
Foam	95.17-10, 95.17-15
Safety	97.30-20
MODUs	107.231(o), 109.333
Ventilation:	
Alarm failure	97.37-50
Enclosed, for electrical propulsion machinery, fire extinguishing system required	95.05-10(f)
For closed spaces	92.15-10
Verification of vessel compliance with applicable stability requirements	97.15-7, 109.227
Vessel:	
Acquired or documented under act of August 9, 1954	90.30-1
Control	Part 96

Subchapters I and I-A Index

Definition of	90.10-37
Foreign.....	90.05-1
Includes motor boats	90.10-23
Inspection and certification	Part 91
Inspection standards.....	91.15
Laid up, dismantled, and out of commission	90.05-1(a)(3)
Lifesaving appliances and arrangements	96.06-1
Markings on	97.40
Miscellaneous systems and equipment	Part 96
Name on equipment	97.37
Subject to regulations.....	90.05-1
U.S. Maritime Administration.....	90.05-1(a)(4)
Used for public purposes	90.05-1(a)(4)
Vessels contracted for.....	90.05-5(a)
Vessels contracted for prior to November 19, 1952	92.15-90
Vest, work:	
Application	97.34-1
Approved work vests	97.34-5
Shipboard inspections	97.34-20
Shipboard stowage.....	97.34-15
Use	97.34-10
Visibility from navigation bridge	92.03-1
Voice tube	96.05-1
Voyage record	97.07

W

Washbasin.....	92.20-25
Washroom:	
Construction.....	92.20-15
Crew hospital.....	92.20-35
General requirements	92.20-25
Water light: Inspection.....	91.25-10
Watertight, defined.....	107.111
Integrity of appliances on MODUs.....	108.114, 108.665, 109.209
Watertight door:	
Inspection of.....	91.25-25(a)(1)
Kept closed at sea	97.15-20
Weather deck: Access	92.10-45
Weathertight, defined	107.111
Integrity of appliances on MODUs.....	108.114
Welding on MODUs	109.573
Wheelhouse (Pilot house).....	97.10
Whistle:	
Testing	97.15-3, 109.201
Unnecessary whistling prohibited	97.20
Wire rope on MODUs.....	108.705
Woodwork, installation of.....	92.05-5
Work vests:	
Application	97.34-1
Approved work vests	97.34-5
MODUs	108.636, 108.697, 108.699, 109.334
Shipboard inspections	97.34-20
Shipboard stowage.....	97.34-15
Use	97.34-10